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Application Number

TRANSMITTAL	Filing Date	November 25, 2003
FORM	First Named Inventor	FANG et al.
(to be used for all correspondence after initial filing)	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	5853-364
EN	CLOSURES (Check all th	at apply)
Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a  Provisional Application  Power of Attorney, Revocation  Change of Correspondence Add  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)	After Allowance communication to Technology Center (TC)  Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter Other Enclosure(s) (please Identify below): PTO/SB/08B; 5 References; and 1 Postcard.
SIGNATURE	OF APPLICANT, ATTORN	NEY, OR AGENT
Firm Neil R. Jetter AKERMAN SENTERFITT		
Signature		
Date March 18, 2004	/	
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of FANG et al.

Application No.:

10/721,533

Examiner:

Date Filed:

November 25, 2003

Group:

For: MULTI-LAYER DIFFERENTIAL PHASE SHIFT KEYING WITH

BIT-INTERLEAVED CODED MODULATION AND OFDM

CERTIFICATE UNDER 37 CFR 1.8(a)

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Neil R. Jetter

Commissioner for Patents Post Office Box 1450 Alexandria, VA 22313-1450

Date: March 18, 2004

## INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, Applicants hereby disclose information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

In accordance with Rules 56, 97, and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), Form PTO/SB/08B and copies of references cited therein are submitted for consideration by the Examiner. While the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the

In re Application of: FANG et al. Application No.:

10/721,533

November 25, 2003

Filed:

Group Art Unit:

For: MULTI-LAYER DIFFERENTIAL PHASE SHIFT KEYING WITH

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filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.

Respectfully submitted,

Neil R. Jetter, Reg. No. AKERMAN SENTERFITT

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Docket No. 5853-364

PTO/SB/08B (08-03)
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- Substitute for form 1449/110				Application Number	10/721,533
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			CLOSURE	Filing Date	November 25, 2003
			PPLICANT	First Named Inventor	FANG et al.
				Art Unit	
(Use as many sheets as necessary)		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	5853-364

		NON PATENT LITERATURE DOCUMENTS	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	-	ESMAILIAN et al., "A DISCRETE MULTITONE POWER LINE COMMUNICATIONS SYSTEM," IEEE International Conference on Acoustics, Speech, and Signal Processing 2000, 5:2953-2956, June 5-9, 2000.	
		LIU et al., "WIDE BAND AC POWER LINE CHARACTERIZATION," IEEE Transactions on Consumer Electronics, pp. 1087-1097, November 1999.	
		ROHLING et al., "HIGH-RATE OFDM-MODEM WITH QUASI-COHERENT DAPSK," 1997 IEEE 47th Vehicular Technology Conference, 2055-2059, May 1997.	
		FISCHER et al., "Coded Modulation for Noncoherent Reception with Application to OFDM," IEEE Transactions on Vehicular Technology, 50:910-919, July 2001.	
		CAIRE et al., "Bit-Interleaved Coded Modulation," IEEE Transactions on Information Theory, 44:927-946, May 1998.	
		·	

Examiner	Date	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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